

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/02972

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16F7/12 B62D25/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16F B62D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 299 23 774 U (FISCHER ET AL.) 30 August 2001 (2001-08-30) abstract; figures ---	1-4,7
X	US 5 041 472 A (MYER) 20 August 1991 (1991-08-20) abstract; figure 1 ---	1-4,7
A		8
X	DE 43 40 348 A (AUDI) 1 June 1995 (1995-06-01) column 2, line 23 - line 33; claim 15 ---	1-3
X	DE 38 16 517 A (KELLNER) 23 November 1989 (1989-11-23) claims 1,4 ---	1,2
A		5
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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Date of the actual completion of the international search

23 June 2003

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01/07/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 87 06 593 U (POTT) 20 August 1987 (1987-08-20) page 5, last paragraph; figure 6 ----	1-3
X	US 4 610 836 A (WYCECH) 9 September 1986 (1986-09-09) cited in the application abstract ----	1-3
A	EP 0 982 364 A (BITAR) 1 March 2000 (2000-03-01) the whole document ----	8
A	GB 1 492 752 A (SEARLE ET AL.) 23 November 1977 (1977-11-23) -----	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 03/02972

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
✓ DE 29923774	U	30-08-2001	DE 19941278 A1 DE 29923774 U1	08-03-2001 30-08-2001
✓ US 5041472	A	20-08-1991	NONE	
✓ DE 4340348	A	01-06-1995	DE 4340348 A1	01-06-1995
✓ DE 3816517	A	23-11-1989	DE 3816517 A1	23-11-1989
✓ DE 8706593	U	20-08-1987	DE 8706593 U1	20-08-1987
✓ US 4610836	A	09-09-1986	US 4732806 A US 4695343 A	22-03-1988 22-09-1987
✓ EP 982364	A	01-03-2000	EP 0982364 A1	01-03-2000
✓ GB 1492752	A	23-11-1977	NONE	